Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) Machine for manufacturing a continuous strip of metal lattice by means of a single wire of flexible metal supplying said machine continuously, said lattice being produced by repeating a same motif of metal wire in a plane, each motif being superposed on the preceding motif with an offset of constant pitch in the an axial direction in which the strip of lattice is produced,

characterised in that the machine comprises comprising:

- a stage at which the metal wire is stored;
- a stage at which the machine is continuously supplied with metal wire;
- a shaping stage at which said wire is configured in a succession of identical motifs;
- a transfer stage for displacing each motif of metal wire successively towards the plane at which the strip of lattice is formed;
- a stage at which each motif is retained in a-the plane and offset at a constant pitch before the subsequent motif arrives;
- a stage at which the motifs are affixed to one another, another, wherein,

 the shaping stage comprises a shaping drum, retained in a fixed arrangement

 during the shaping process, around which the metal wire is wound.

the shaping stage is pivotable relative to a shaping axis, and the machine further comprising:

means for constraining the wire so that the wire conforms to a shape of said shaping drum, the means being provided at a periphery of the shaping drum, and the movement of said means being synchronised with a winding movement of the wire.

- 2. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 1,-characterised in that it has further comprising a device for cutting the strip of lattice disposed downstream of the means for affixing the motifs to one another.
- 3. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 1, characterised in that wherein the stage at which the flexible metal wire is stored consists of a reel of wire freely rotating in a support of said reel.
- 4. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 1, characterised in that wherein the stage for supplying the machine with metal wire comprises, in succession:
 - means for straightening the wire, designed to place it the wire in a straight line,
 - at least one pulley for guiding the wire towards
 - a rotary device for winding around a drum.
 - 5-7. (Canceled)
- 8. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 5 claim 1, characterised in that wherein the stage at which each motif of the lattice is transferred consists of an unreeling drum, coaxial with the shaping drum, equipped with helical worms, and actuated by a rotating movement synchronised with the a winding speed of the wire, which enables the turns forming the motifs of the lattice to be separated.
- 9. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 8, characterised in that wherein devices enabling each turn to be deposited on the shaping plane of the lattice are disposed on the a periphery of the unreeling drum, on a level with its end remote from the shaping drum, and the movement of these devices is synchronised with that of said unreeling drum.

- as claimed in claim 1, characterised in that wherein the stage for retaining each motif in the shaping plane of the lattice and for offsetting it at a constant pitch before the subsequent motif arrives in said plane consists of a plurality of endless belts disposed parallel, driven at the same speed, which is synchronised with the speed at which the motifs of metal wire are shaped, and said belts have teeth at regular intervals enabling each motive deposited on the plane which they form to be driven.
- 11. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 1, characterised in that wherein the means for affixing the motifs of metal wire to one another comprise at least one welding bridge disposed transversely to the axis along which the lattice is fed.
- 12. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 11, characterised in that wherein at least one welding bridge applies a weld in the a vertical direction and is preceded by a device which enables motifs sharing a same cross-section to be retained in contact with one another.
- 13. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 11, characterised in that wherein at least one welding bridge applies a weld in the a horizontal direction.
- 14. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 4, characterised in that wherein the winding device comprises a hollow rotating shaft through which the wire passes after being guided by means of at least one pulley orienting said wire towards said shaft, the outlet of which is equipped with a pulley reorienting the wire in a radial direction towards an external winding pulley, the axis of which subtends an acute angle with the axis of rotation of the winding device, the circular displacement of which has a bigger radius than that of the winding drum.

- 15. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 14, characterised in that wherein said winding device is driven by an electric motor.
- 16. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 14, characterised in that wherein the shaping drum is disposed coaxially with the winding device, in the extension of the hollow shaft.
- 17. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in-elaim 5 claim 1,-eharacterised in that wherein radial spring-biased rams hold the wire wound around the shaping drum.
- 18. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in elaim 5 claim 1, characterised in that if wherein the drum has at least one indented and/or concave surface, a corresponding number of devices designed to apply the wire against said surface or surfaces is provided at the periphery of said drum, and the movement of this or these devices(s) is synchronised with the speed transmitted by the winding motor.
- 19. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 18, characterised in that wherein the device designed to apply the wire against a concave surface eausing it causes the wire to assume the shape of an indented arc comprises a rotating element with an axis of rotation parallel with the axis of the drum, equipped with a wing perpendicular to said axis, the external edge of which the wing is provided with means for guiding the metal wire, and has the contour of a section conforming to the shape of the concave surface.
- 20. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 19, characterised in that wherein said wing comprises two sections, a first section with an elliptical external edge provided with at least one guide roller for the metal

wire, and a second section with a contour continuing from the first forming an arc of a circle and having a lateral edge parallel with the axis of rotation, provided with a guide groove, and the element for positioning the wire is rotated so that the elliptical section penetrates the concave shape of the drum first.

- 21. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 20, characterised in that wherein the guide rollers with an elliptical section are provided in a plurality distributed across its edge, and a roller with a bigger diameter is fitted on the end of said section penetrating the concave shape first.
- 22. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 18, characterised in that wherein the device designed to apply the wire in an indentation of the wall of the drum comprises a ram, the a detachable head of which the ram has a shape which can be inserted in said indentation, said head being mobile in translation, and the displacement is programmed so that it is synchronised with the winding speed.
- 23. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 22, characterised in that wherein the ram is controlled by a motor actuating a rack via a gear mounted on the a shaft, at the end of which the shaft the head is affixed.
- 24. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 22, characterised in that wherein the ram is actuated by a piston or a linear motor.
- 25. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 8, characterised in that wherein at least one guide device for axially fixing the turns forming the motifs of the lattice is placed along and in the extension of the unreeling drum, said guiding action being afforded by means of at least one internal guide disposed

facing an external guide, each pair of guides bounding a passage conforming to the shape of each turn and disposed as a function of worms of the unreeling drum, in at least one point where the motif has a projection towards the exterior.

- 26. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 9, characterised in that wherein the devices enabling the unrecled turns each turn to be deposited on the shaping plane of the lattice comprises endless screw shafts disposed at regular intervals at the periphery and in the axial extension of the unrecling drum, said shafts being driven by electric motors synchronised so that they are actuated individually or in groups, namely in succession, and enable one turn forming a motif of the lattice to be extracted after the other.
- 27. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 10,-characterised in that wherein the shaping plane of the lattice obtained by successively offsetting the motifs comprises a central chain and two lateral chains, equipped with teeth for driving the motifs, said chains being driven by motors synchronised with each other and with the motors of the endless screw devices.
- 28. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 27, characterised in that wherein said chains have a guide strip and a fixed rigid guard mounted above them.
- 29. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 27, eharacterised in that wherein slide plates are disposed underneath the lattice at the ends of the chains, which are distal with respect to the system of manufacturing the motifs of said lattice.
- 30. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 11,-characterised in that wherein there are two transverse welding bridges operating in a vertical direction, each preceded by a bridge for retaining the motifs forming

the lattice, each bridge being equipped with two heads disposed on either side of the lattice, each applying an action in the direction of the other head.

- 31. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 30, characterised in that wherein said heads of the retaining bridges are detachable and have male and female relief areas respectively which depend on the motifs forming the lattice and enable an inter-penetration in order to place said motifs in contact with one another in readiness for welding.
- 32. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 30, characterised in that wherein the welding bridges apply a spot weld to at least some of the intersections of the motifs in a transverse direction, two times, corresponding to two transverse patterns of intersection of the motifs forming the lattice.
- 33. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 11, characterised in that it has further comprising a welding bridge operating in a horizontal direction by means of at least a pair of extractable heads which can be inserted in the two successive meshes of the lattice in the direction in which the latter is fed.
- 34. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 27, characterised in that wherein the lateral chains extend as far as the a first welding bridge, whereas the central chain extends as far as the a second welding bridge.
- 35. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 5 claim 1, characterised in that wherein the shaping drum has a main body, to which at least one additional volume designed to modify a portion of its external shaping wall can be fixed.
- 36. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 35, characterised in that wherein the additional volume is configured so

that the additional volume it is inserted in at least a portion of concave surface of the wall of the drum in order to define a new portion of flat or convex wall.

- 37. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 35, eharacterised in that wherein the additional volume is configured so that the additional volume it is inserted in at least one portion of concave surface of the wall of the drum in order to define a new portion of wall incorporating an indentation.
- 38. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 10, characterised in that it has further comprising at least one reel of wire disposed to the side of the shaping plane of the lattice, the wire being directed towards a face of the strip of lattice and re-oriented during feeding so as to be parallel with said feed direction, then fixed to the strip of lattice.
- 39. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 38, characterised in that wherein the reels are two or four in number, in which case the wires are directed respectively to one or the two faces of the strip of lattice.
- 40. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 1,-characterised in that it has further comprising a stage for axially shaping at least a transverse portion of the strip of lattice on a continuous basis.
- 41. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 40,-characterised in that wherein the shaping is effected along two transverse portions alongside the borders of the strip of lattice.
- 42. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 1, characterised in that it has further comprising a central electronic unit for managing the machine, the parameters of which can be controlled by means of peripheral devices accessible to the user, and said central electronic unit processes the signals emitted by sensors indicating the an instantaneous state of certain moving components of the machine.

- 43. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 42,-characterised in that wherein said peripheral devices accessible to the user comprise a monitor and a keyboard.
- 44. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 42, characterised in that wherein said central electronic unit and peripheral devices form part of a micro-computer containing a programme program for managing the machine.
- 45. (Currently Amended) Machine for manufacturing a continuous strip of lattice as claimed in claim 42, characterised in that wherein the sensors are applied to the various motors of the machine and provide information about their a position of the motors and their a speed of the motors at any instant.
- 46. (Currently Amended) Strip of lattice manufactured with the aid of a machine as claimed in claim 45, characterised in that it wherein the strip of lattice is made by repeating a single motif offset along the axis in which said strip is produced and said motifs are welded to one another on a level with at least some of their intersections.
- 47. (Currently Amended) Strip of lattice as claimed in claim 46, wherein the strip of lattice characterised in that it has at least one wire on at least one of its faces, which is axially affixed thereto on a continuous basis.
- 48. (Currently Amended) Strip of lattice as claimed in claim 46, wherein the strip of lattice characterised in that it has a continuous axial shaping on at least one transverse portion.
- 49. (Currently Amended) Method of manufacturing a strip of lattice on a continuous basis by means of a single metal wire, characterised by comprising the following steps:

- winding the metal wire around a shaping drum so that each turn then constitutes an identical motif;
- separating the turns in thea direction of thean axis of the shaping drum;
- depositing the turns on a shaping plane of the lattice oriented perpendicular to said axis of the shaping drum;
- continuously displacing said plane, in synchronisation with the speeds at which the turns are wound, separated and deposited in order to create an offset between the turns and form the succession of said repetitive patterns of the lattice; and
- welding at least some of the intersection points of said motifs
 constituting the lattice. lattice, wherein

an external wall of the shaping drum has at least one concave portion and/or at least one indentation and the process of shaping by winding around the shaping drum is effected by means of a corresponding number of devices designed to apply the wire against said portion of the external wall.

- 50. (Currently Amended) Method of manufacturing a strip of lattice on a continuous basis as claimed in claim 49, characterised in that wherein, prior to the winding step in readiness for shaping, the wire is continuously unreeled from a storage reel.
- 51. (Currently Amended) Method of manufacturing a strip of lattice on a continuous basis as claimed in claim 49, characterised in that wherein the welding step is followed by a step of cutting the strip of lattice to the a desired length.
 - 52. (Canceled)
- 53. (Currently Amended) Method of manufacturing a strip of lattice on a continuous basis as claimed in claim 49, characterised in that wherein the running of the various steps is automated with the aid of an electronic central unit or a micro-processor

equipped with peripheral devices enabling it to be controlled by the user and responding to sensors tracking the progress of the different steps implemented during the course of the method.

- 54. (Currently Amended) Method of manufacturing a strip of lattice on a continuous basis as claimed in claim 4953, characterised in that wherein the sensors cooperate with the electric motors, making it possible to ascertain their a speed of the electric motors and their a position of the electric motors at any instant.
- 55. (Currently Amended) Method of manufacturing a strip of lattice on a continuous basis as claimed in claim 49, characterised in that wherein at least one metal wire is axially affixed to one of the faces of the strip of lattice on a continuous basis.
- 56. (Currently Amended) Method of manufacturing a strip of lattice on a continuous basis as claimed in claim 55, characterised in that wherein two or four wires are affixed extending alongside the borders on one or two faces of the strip of lattice.
- 57. (Currently Amended) Method of manufacturing a strip of lattice on a continuous basis as claimed in claim 49, characterised in that wherein at least one transverse portion of the strip of lattice is axially shaped on a continuous basis after the motifs have been welded to one another.